Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period:\_\_\_\_\_

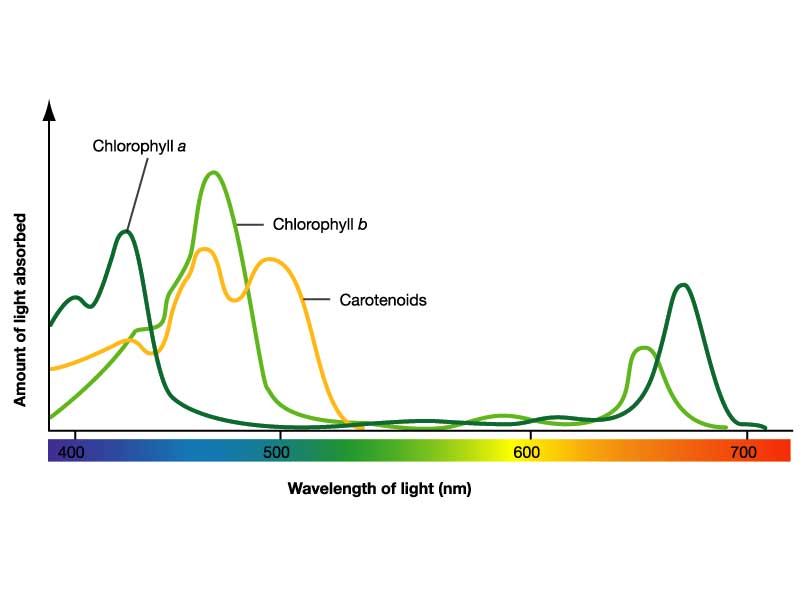
**Explanation floating spinach disks lab**

1. What three things are necessary for photosynthesis?
2. Summarize the lab procedure. (Explain what you did in the lab.)
3. We put ten spinach disks in a baking water/detergent/baking soda in order to….
4. We put ten spinach disks in a water/detergent in order to…
5. We create a vacuum (put thumb on top of syringe and pulled down the plunger) in order to…
6. If the disks floated that suggested that \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ had been produced and therefore

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ was occurring.

1. If only one disk floated under red light, no disks floated under green light, and seven disks floated under white light this suggests….
2. The disks that had only water/detergent added were not expected to float because….
3. *True or False.* “If one does not get the results one expects then one’s experiment failed.” EXPLAIN YOUR ANSWER.

**Absorbance of Different Wavelengths of Light**



1. What wavelengths of light (nm) does chlorophyll mostly absorb? What colors of light do these wavelengths correspond to?
2. What wavelengths of light does chlorophyll not absorb? What colors of light do these wavelengths correspond to?
3. What wavelengths of light do carotenoids absorb? What colors of light do these wavelengths correspond to?
4. What wavelengths of light do carotenoids not absorb? What colors of light do these wavelengths correspond to?